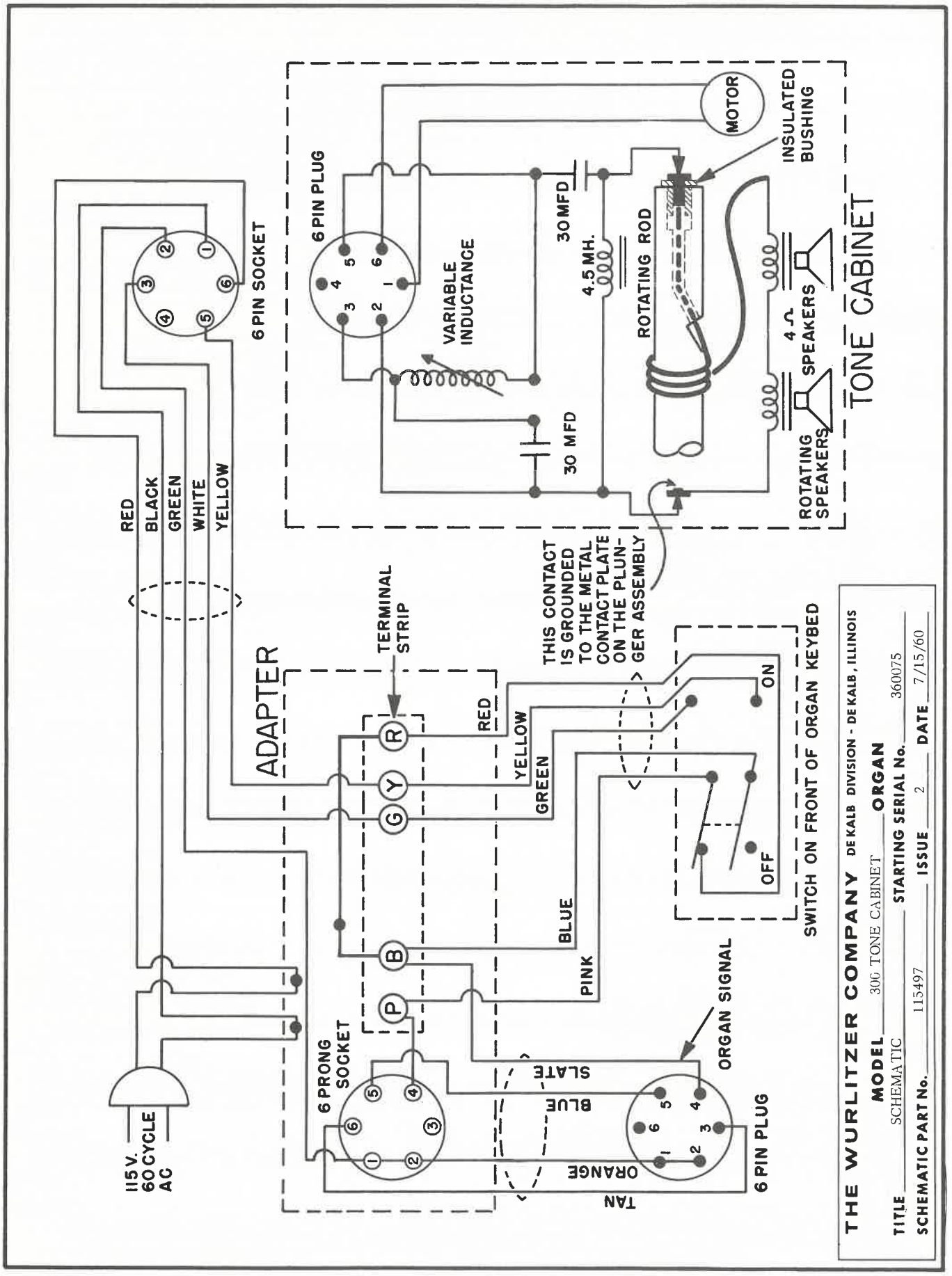
TONE CABINET
MOTOR
INSULATED BUSHING
6 PIN PLUG
VARIABLE INDUCTANCE
30 MFD
4.5 MH.
ROTATING ROD
4Ω SPEAKERS
ROTATING SPEAKERS
30 MFD
6 PIN SOCKET
RED
BLACK
GREEN
WHITE
YELLOW
ADAPTER
TERMINAL STRIP
THIS CONTACT IS GROUNDED TO THE METAL CONTACT PLATE ON THE PLUNGER ASSEMBLY
SWITCH ON FRONT OF ORGAN KEYBED
ON
OFF
RED
YELLOW
GREEN
BLUE
PINK
ORGAN SIGNAL
6 PRONG SOCKET
SLATE
BLUE
ORANGE
TAN
6 PIN PLUG
115 V. 60 CYCLE AC
THE WURLITZER COMPANY DE KALB DIVISION - DE KALB, ILLINOIS
MODEL 300 TONE CABINET ORGAN
TITLE SCHEMATIC STARTING SERIAL No. 360075
SCHEMATIC PART No. 115497 ISSUE 2 DATE 7/15/60

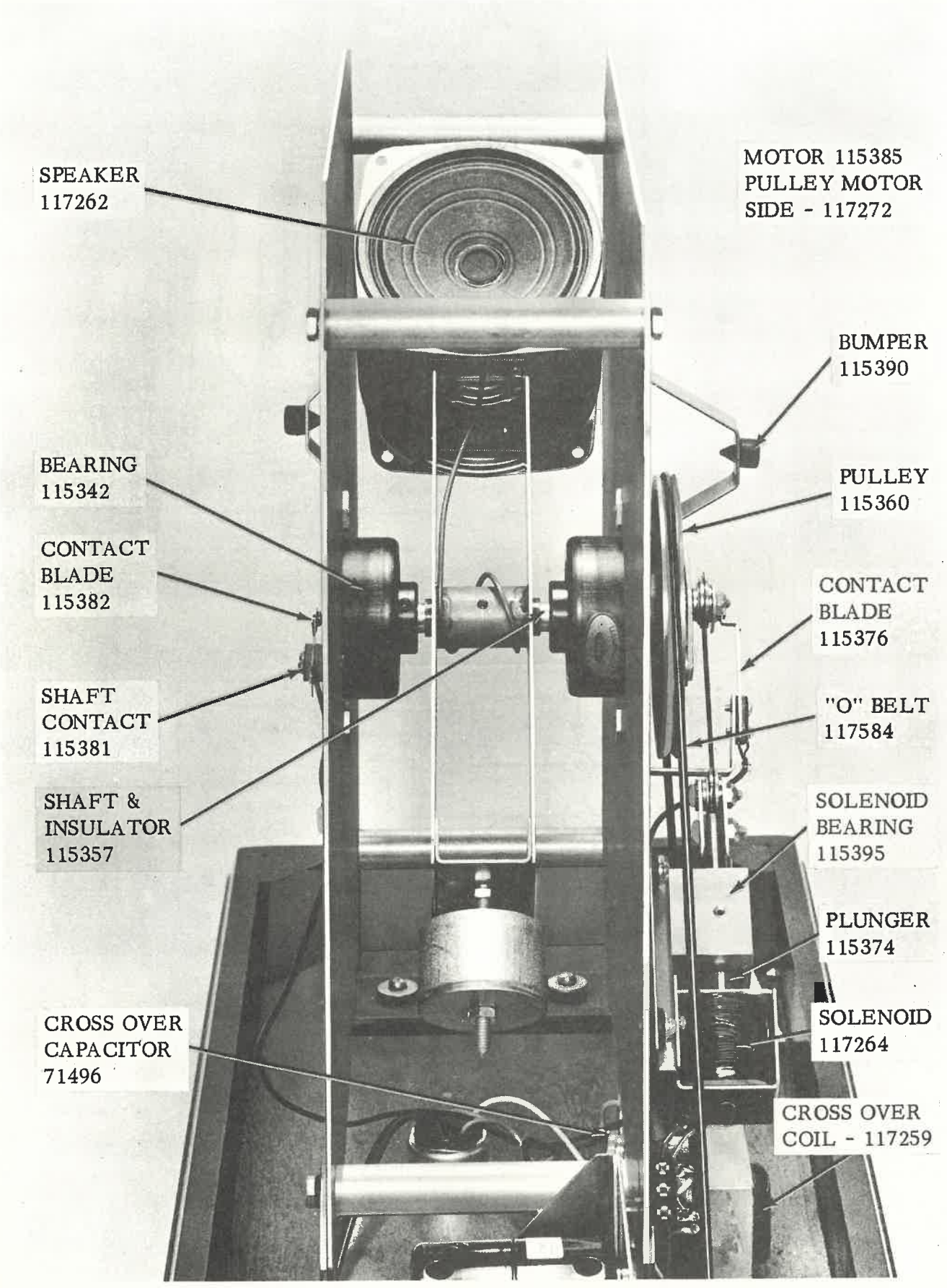

Fig. 4. MODEL 300 TONE CABINET

MODEL 300 TONE CABINET FOR THE WURLITZER SPINETTE ORGAN

SPECIFICATIONS

Size - Width-25" - Depth-11-1/8" - Height- 26-3/8"
Weight - Net 61 pounds.
Finishes - Mahogany, Walnut, Blond Oak, Ebony, Cherry and French Provincial Cherry.
Power Consumption - 30 Watts at 115 V 60 Cycles.

SERVICE SUGGESTIONS

CONTACTS - The contacts have been designed for long life. They have been cleaned and lubricated at the factory with Cramolin , a special contact cleaner. If the contacts need cleaning use a contact burnishing tool. Do not use any file or abrasive paper on the contacts. For minor cleaning a calling card can be placed between the contacts and rubbed back and forth. The contact pressure has been set at 95 to 100 grams. Do not increase or decrease this pressure by bending in the cleaning process.

OILING - The oiling instructions are found on page 21 .

ROTOR BALANCE - The rotor has been balanced with the counterwieght. Should the nuts loosen and shift the weight it should be reset so that the rotor is balanced and held stationary in any position of a complete circle.

SPEAKERS - The speakers are 4 ohm impedance. The screws holding the speakers can be removed from the rotor through the large tape covered holes. Be sure to replace the tape over these holes.

PULLEYS, SHAFT SET SCREWS AND LINKAGE SCREWS - The pulley set screws, shaft set screws and the linkage screws should be checked at the time of oiling. These should be tightened if necessary.

INSTALLATION INSTRUCTIONS

Model 300 Tone Cabinet

1. This cabinet is wired for use as is, with Wurlitzer Organ Models 4420, 4410, 44, 4000, 4150, 4100, 4102 and 4602.

2. Remove the six machine screws - three on each side of the cabinet.

3. Carefully lift the cabinet straight up.

4. Remove the cardboard container from the top of the unit. This box contains the following:

1.	Junction Box & Cable Assembly	115391
2.	Control Switch & Cable Assembly	115493
3.	Seven Round Head Screws	73592-8
4.	One Plastic Cable Clamp	45253

5. Untie the speaker rotor. Rotate the speaker unit by hand. This should rotate easily.

6. Back off the two wing bolts found in the center of the bottom plate just below the round spacers holding the two large side plates. These bolts should be backed off far enough so that the unit floats on the rubber shock mounts.

7. Install the Junction Box - 114391 in the console of the organ with four of the 73592-8 screws. The location of the unit is not critical, however, it should be located within reach of an A. C. receptacle in the console and also within reach of the console speaker cable.

8. Unplug console speaker and plug into 6 prong socket found on junction unit. On Model 4100 organ remove plug from the socket marked "Tone Cabinet". Plug this into the junction unit.

9. Plug the 6 prong cable attached to the junction box into the speaker socket on the console amplifier.

10. Mount the Control Switch on the keybed with the 2 screws. A No. 38 drill should be used for the pilot holes in the keybed. The location of this unit is optional. Some organists prefer it on the right and others on the left. The cable is long enough to mount on either side.

11. Feed the cable back to the inside of the console. On some models a hole has been provided in the knee panel for this cable. On other models space has been left at both ends of the metal dust pan for this cable.

12. Fasten the cable to the under side of the keybed with the remaining screw and cable clamp.

13. Fasten the Control Switch 5 wire cable under the screw terminals of the junction box. Make sure that the color of the wires matches the terminals. The following schedule shows the proper connections:

Terminals	Cable
P	Pink
B	Blue
G	Green
Y	Yellow
R	Red

14. Plug the A. C. receptacle into the A. C. socket on either the amplifier chassis or the A. C. Junction unit. Do not use the motor A. C. socket.

15. Turn the tone cabinet on one end and plug the 6 prong socket of the long cable in the receptacle found mounted to the bottom side of the cabinet. There is sufficient room between the cabinet bottom and the floor so that the cabinet will rest level on the floor.

16. Turn the organ on. The speaker rotor should start to work immediately. Play a few chords on the organ while switching the control ON and OFF. In the "ON" position the TREBLE section of the organ will be heard through the tone cabinet speakers and the BASS through the console speaker. In the "OFF" position both TREBLE and BASS will be heard out of the console speaker only. The rotor in the tone cabinet will run in both positions of the switch. The switch controls only organ signal.

17. IMPORTANT - OILING INSTRUCTIONS

THIS UNIT HAS BEEN OILED AT THE FACTORY AND SHOULD NOT REQUIRE ANY OIL FOR 6 MONTHS. THE MAIN ROTOR BEARINGS ARE SEALED AND NEVER REQUIRE OILING. AFTER 6 MONTHS A DROP OF SAE NO. 30 GOOD MACHINE OIL SHOULD BE USED ON THE POINTS INDICATED IN FIGURE 1. DO NOT OVER OIL THESE POINTS.

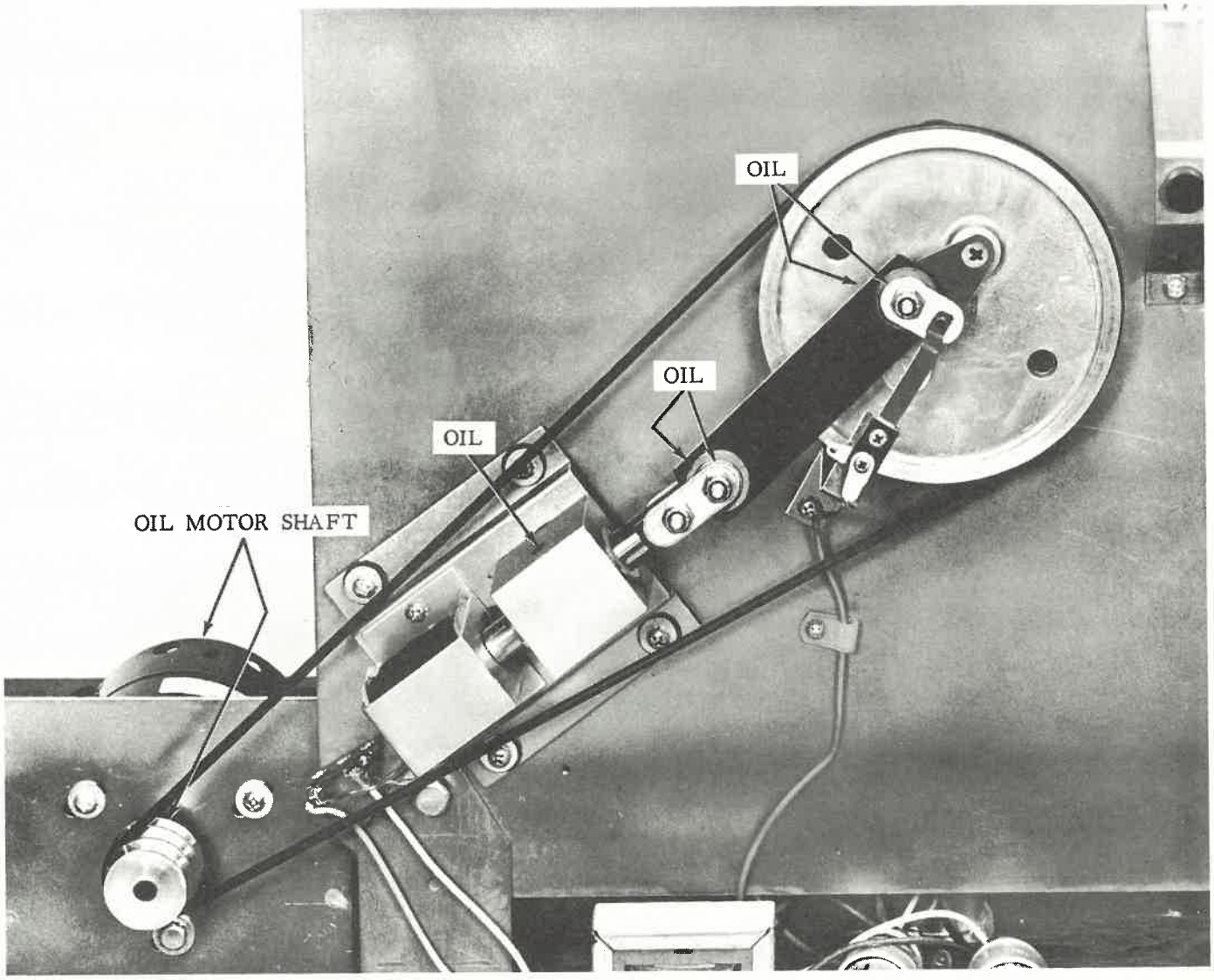

Fig. 1. LUBRICATION POINTS MODEL 300 TONE CABINET

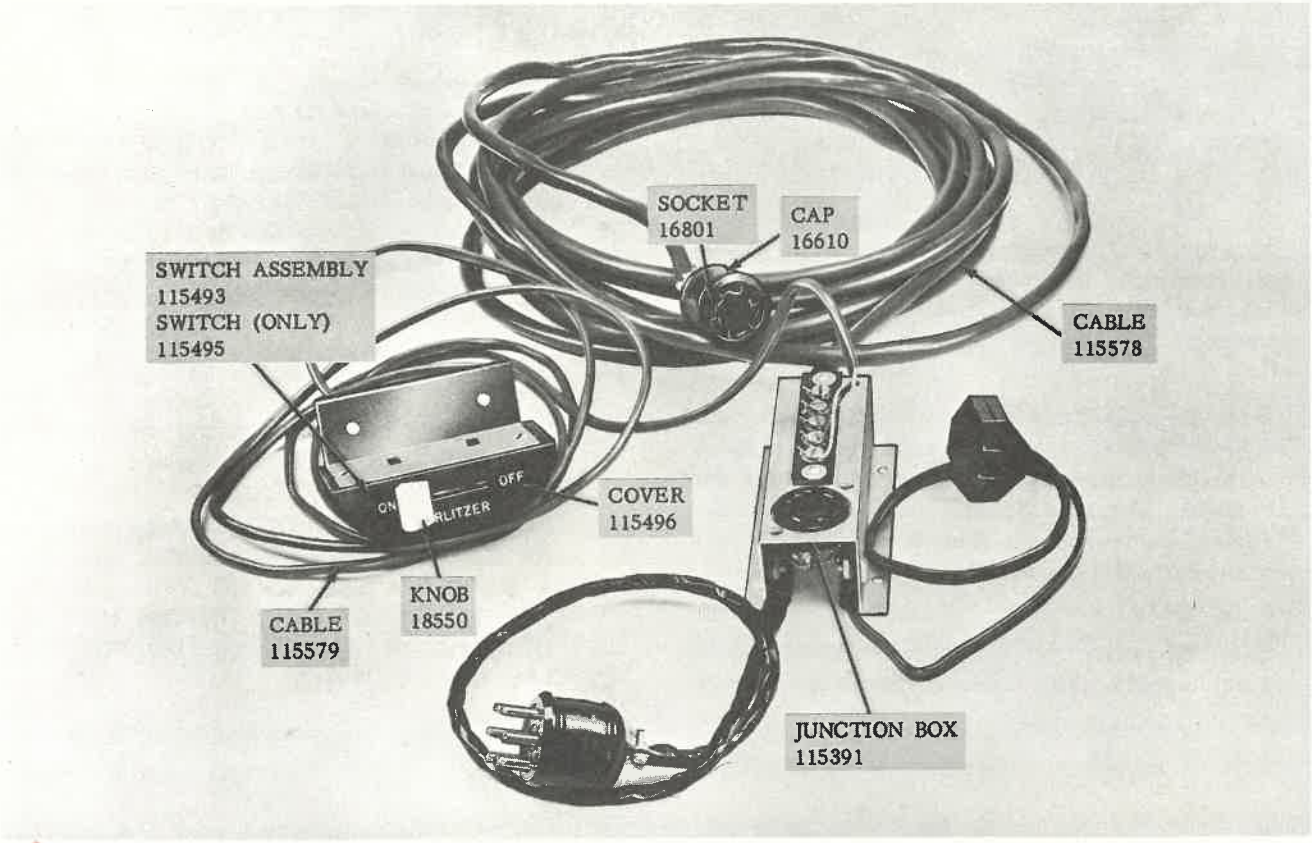

Fig. 2. MODEL 300 TONE CABINET

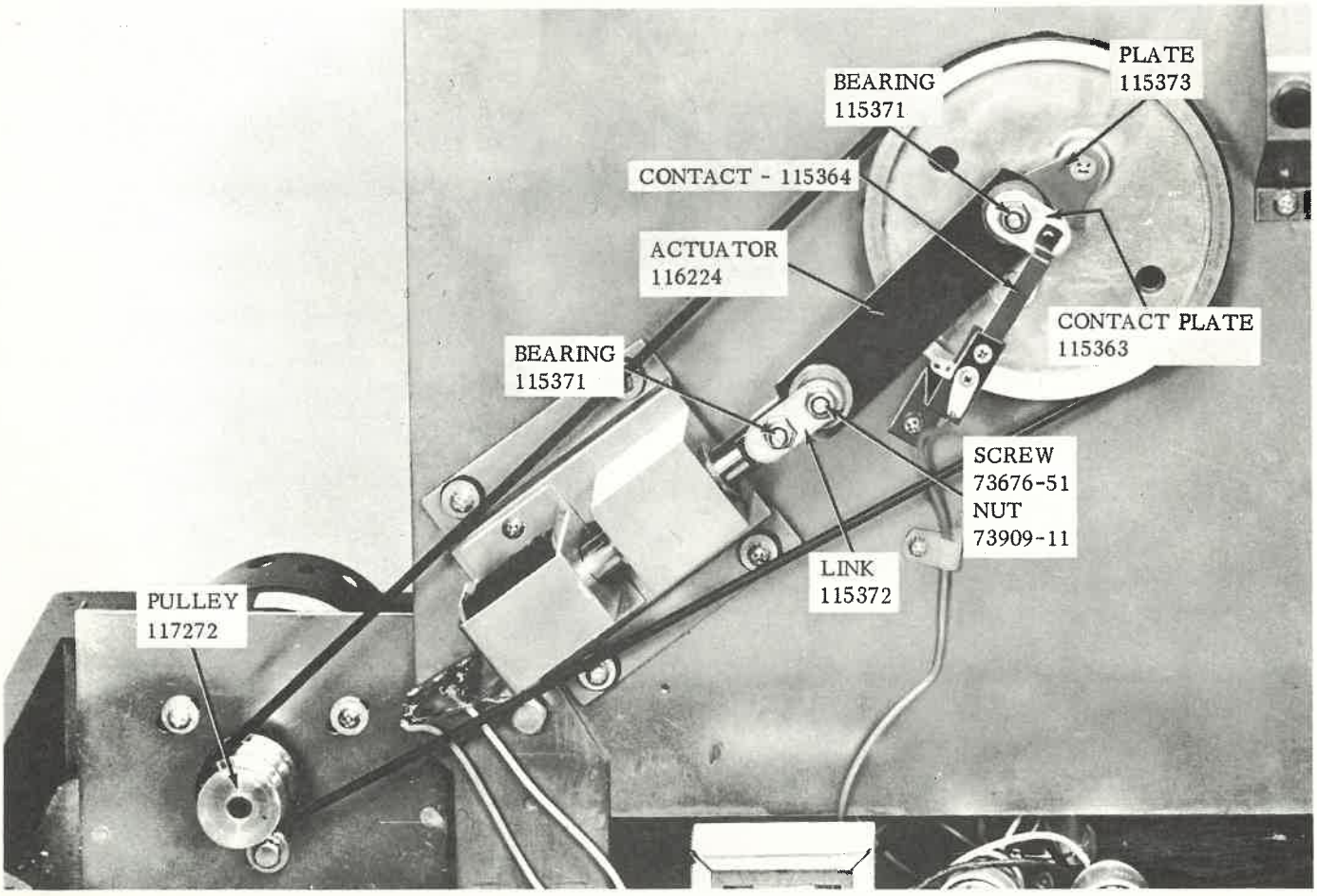

Fig. 3. MODEL 300 TONE CABINET